

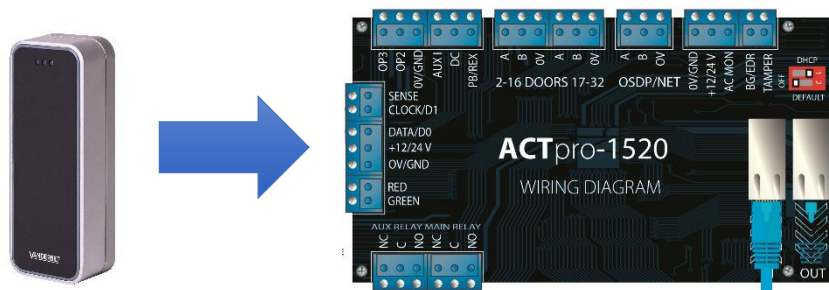
PRODUCT LINE: Access

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PRODUCT: BLE Module / ACTPro15xx / ACTPro1xx / ACTPro4xxx

Version: 01

Bluetooth Module Enabled VR Series Reader & ACTpro



This document describes the process for adding Bluetooth Module equipped readers to ACTpro.

The document assumes the Bluetooth Modules have already been connected to the existing reader and controller/door stations, although a summary of the connection is provided.

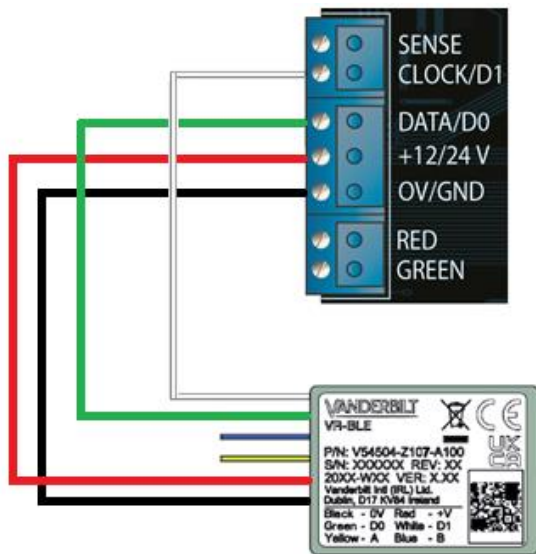
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1. Wiring the Bluetooth Module

The Bluetooth Module can be wired to a controller or door station as either a Wiegand or OSDP device. A summary of the connections is as follows.

Wiegand Connection*



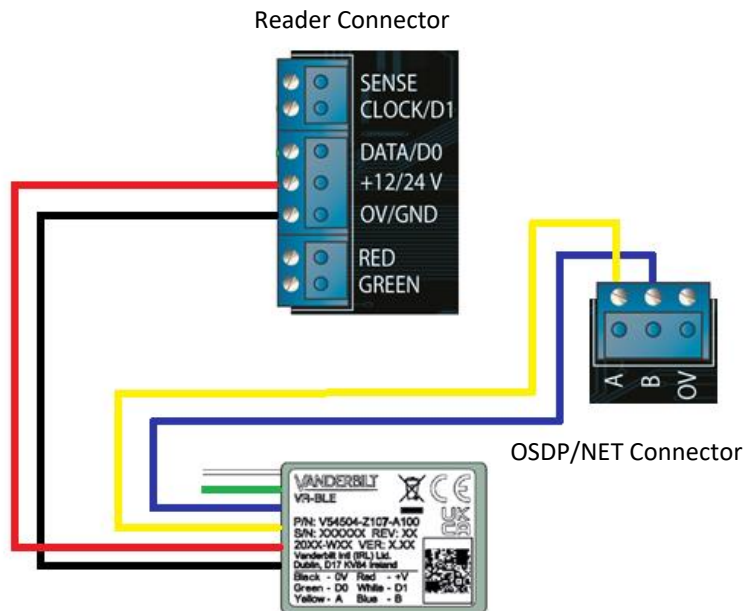
*1500e Controller and 100e Door Station Compatible.

Notes

If multiple Wiegand Readers are required, the connections would be paralleled from the reader connector.

If "Exit Reader" definition is required remember to connect D0 to Sense Terminal.

OSDP Connection*



***1500e Controller Compatible Only**

Notes

If multiple OSDP readers are required, then wire them as a data bus remembering to terminate or remove termination as required.

If "Exit Reader" definition is required remember to amend setting against OSDP Reader in the software.

2. Wiegand Software Configuration

For the Bluetooth Module data output to be understood correctly, the correct Wiegand profile needs to be enabled.

It should be noted that as default this profile is enabled. However, on some systems this may be disabled, or the default settings changed.

Format
MIFARE Format
AUX Card Memory

There are 4 built-in Wiegand card formats. You can add one or more custom format, either from the predefined list, or directly using the data entry fields. Tick "Use this format" to use the additional format. Tick "Check built-in formats" if you want the built-in formats to be used.

Built-in Formats

- ☒ 32-bit No Parity
- ☒ HID 26-bit Wiegand
- ☒ HID 34-bit Wiegand
- ☒ HID 35-bit Wiegand
- ☒ HID 37-bit Wiegand
- ☒ Vanderbilt 56-bit UID

Available Formats

- ☐ 37-bit no site code
- ☐ ANPR 26-bit Wiegand
- ☐ HID 64-bit Wiegand
- ☐ Vanderbilt 34-bit
- ☐ ZKTeco Bio/QR Reader
- ☐ 34 - EY - Printed Number
- ☐ 34 Bit - EY Legacy
- ☐ 56 Bit Mod
- ☐ HID Corp 1K
- ☐ Truncate UID

Add Delete

Wiegand Format

Name: 37-bit no site code

	Start	Length
Overall:		37
Site Code:	0	0
Card Number:	5	32
Issue Number:	0	0

☐ Use this format

☒ Check built-in formats

3. OSDP Software Configuration

The Bluetooth Module when connected to ACTpro as an OSDP device is found as any other OSDP reader, simply use the Autodiscover function against the relevant door, and save the device.

8-TB1 - 1500e - Mid PCB - Onboard

General

OSDP Readers

Timers

Operations

AUX Relay

OP2 and OP3

Reporting

Use auto discovery to add readers. There is a limit of 4 readers per door.

OSDP Reader - 1007893

OSDP Reader - 1639184717

OSDP Reader - 2005471

Bus Address

3

Name

OSDP Reader - 1639184717

Serial Number

1639184717

Direction

Entry

Description

VR-BLE Bluetooth Module

Firmware

00.01.05

Status

Supports Encryption, Encrypted, Entry

Refresh

Change Address

0

Delete

Autodiscover

4. Moving an OSDP connected Bluetooth Module to a different controller

If a door is decommissioned, and the equipment moved to a different device, the module will need to be reset first.

If the communication settings are not reset, it may not be possible to add it to a new door. The reset process is described below.

VI Mobile ID>Settings>OSDP Setting>*Select Reader*

To allow a reader to be discovered on a different device, or OSDP bus the OSDP settings need to be reset.

Address - 0

Baud Rate - 9600

Encrypted Channel – Off

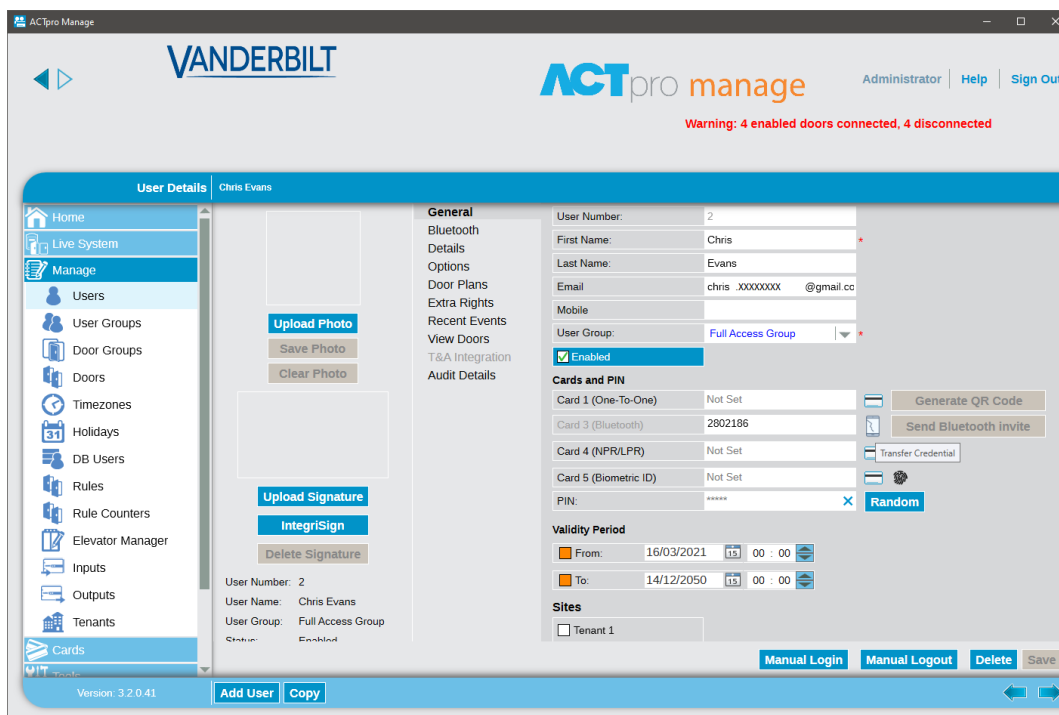
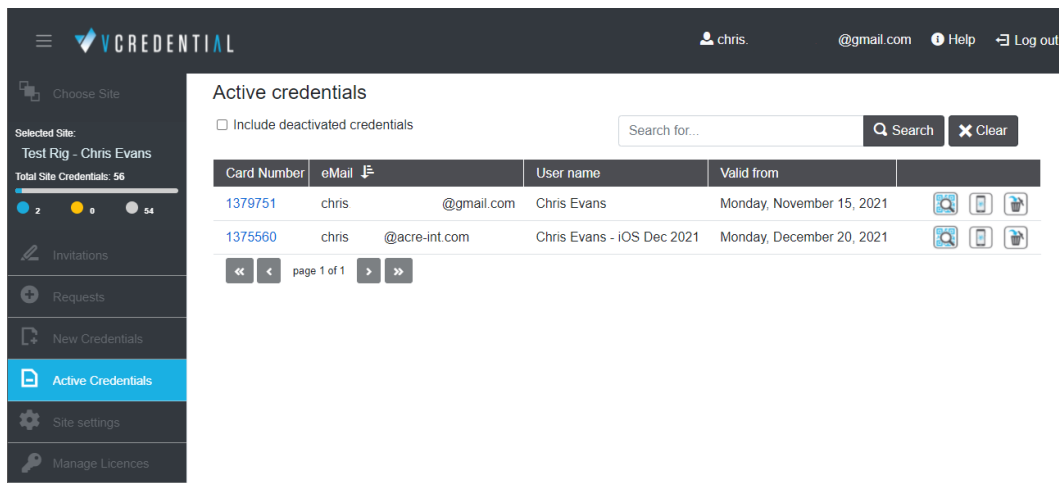
Tap “Set” to commit the settings to the reader.

The Bluetooth Module will now be discoverable on another device.

5. Credential Management

Depending on the chosen method, Bluetooth credentials can be managed from either VCredential.com, or directly via ACTpro if the API between ACTpro and VCredential has been enabled.

Further detail on how to manage credentials is available in the respective platforms.



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www.vanderbiltindustries.com

www.comnet.net

TCC-2022-009_BLE-Module-VR-Series-Reader-&-ACTpro_320_01_EN

If you have any questions, please contact our Technical Competence Centre.

Contact details can be found on our website.

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